

Figure 1

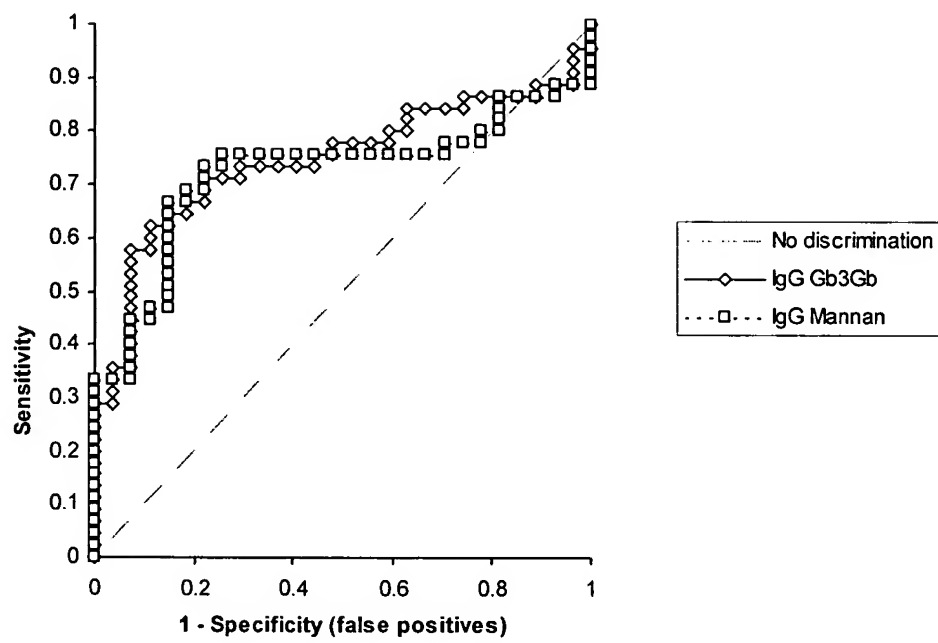
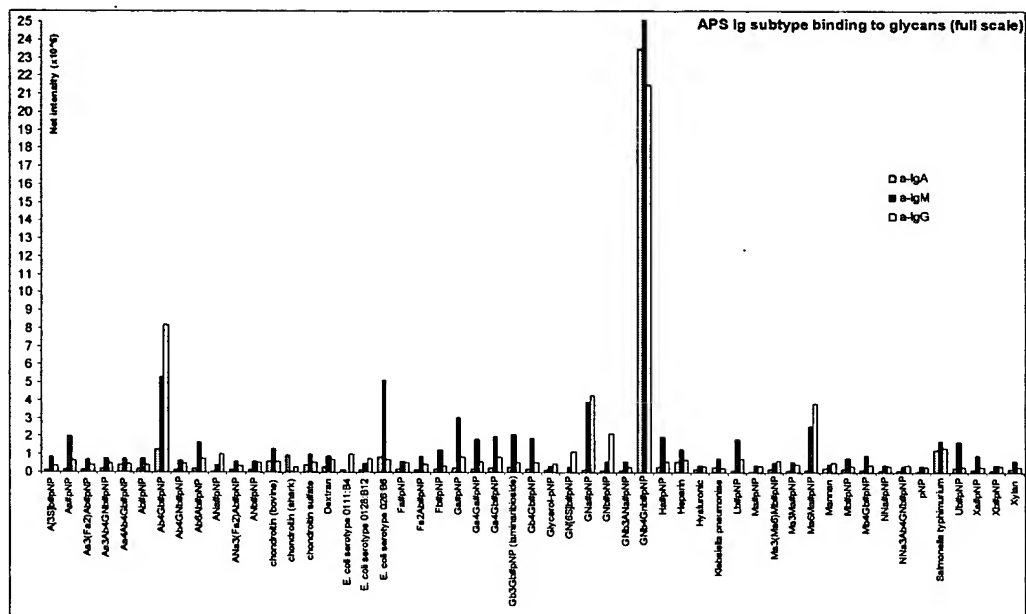


Figure 2a



APS Ig subtype binding to glycans (low scale)

Net intensity ($\times 10^4$)

Legend: \square a-IgA, \blacksquare a-IgM, \square a-IgG

Glycan	a-IgA	a-IgM	a-IgG
AS3pApNP	0.3	0.9	0.7
AspNP	0.1	2.0	0.7
As3(Fa2)ApNP	0.4	0.7	0.5
As3Ab4GNbApNP	0.1	0.5	0.4
As4Ab4GbApNP	0.1	0.8	0.5
AsApNP	0.2	0.8	0.4
As4GbApNP	0.1	5.0	1.3
Ab4GNbApNP	0.1	0.6	0.8
As5AbApNP	0.1	1.7	0.8
ANApNP	0.1	1.0	0.4
ANa3(Fa2)ApNP	0.1	0.6	0.6
ANbApNP	0.1	0.6	0.6
chondroitin (bovine)	0.1	1.3	0.6
chondroitin (shark)	0.1	0.9	0.3
chondroitin sulfate	0.1	1.0	0.6
Devan	0.1	0.9	0.7
E. coli serotype O111:B4	0.1	1.0	0.7
E. coli serotype O128:B12	0.1	0.5	0.8
E. coli serotype O28:B8	0.1	5.0	0.7
FaApNP	0.1	0.9	0.4
Fa2AbApNP	0.1	0.9	0.4
FbApNP	0.1	1.2	0.4
GalApNP	0.1	3.1	0.9
Gal4GApNP	0.1	1.9	0.6
Gal4GbApNP	0.1	0.9	0.9
Gb3GbApNP (lamaribloside)	0.1	2.1	0.5
Gb4GbApNP	0.1	1.9	0.6
Glycerol-pNP	0.1	0.5	0.5
GN[6S]pNP	0.1	1.2	0.3
GNApNP	0.1	3.9	4.4
GNbApNP	0.1	0.6	2.2
GNb3ANApNP	0.1	0.3	0.3
GNb4GNbApNP	0.1	5.0	5.0
HasApNP	0.1	2.0	0.6
Heparin	0.1	1.3	0.7
Hyaluronic	0.1	0.4	0.3
Klebsiella pneumoniae	0.1	0.8	0.3
LbApNP	0.1	1.9	0.8
MaApNP	0.1	0.4	0.4
Ma3(Ma5)MbApNP	0.1	0.6	0.4
Ma3MaApNP	0.1	0.5	0.5
Ma6MaApNP	0.1	2.6	3.7
Mannan	0.1	0.5	0.5
MbApNP	0.1	0.8	0.4
Mb4GbApNP	0.1	0.9	0.4
NNApNP	0.1	0.4	0.4
NNa3Ab4GNbApNP	0.1	0.4	0.4
pNP	0.1	0.3	0.3
Salmonella typhimurium	0.1	1.3	1.4
UbApNP	0.1	1.7	0.3
XaApNP	0.1	0.9	0.3
XbApNP	0.1	0.4	0.3
Xylan	0.1	0.6	0.3